

UNITED STATES DEPARTMENT OF COMMERCE **Patent and Trademark Office**

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FILING DATE FIRST NAMED INVENTOR APPLICATION NO. ATTORNEY DOCKET NO.

08/994,878

12/19/97

EPSTEIN

PHA-23.313

LM02/0316

JACK E HAKEN US PHILIPS CORP INTELLECTUAL PROP DEPT 580 WHITE PLAINS ROAD TARRYTOWN NY 10591

EXAMINER

SONG, H

ART UNIT

PAPER NUMBER

2766

DATE MAILED:

03/16/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No. 08/994,878

Applicant(s)

Epstein

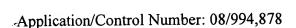
Examiner

Ho S. Song

Group Art Unit



		2/66
Responsive to communication(s) filed on Jan 7, 2000		
☐ This action is FINAL.		·
☐ Since this application is in condition for allowance exception accordance with the practice under <i>Ex parte Quayle</i> ,	1935 C.D. 11; 453 O.G. 213.	
A shortened statutory period for response to this action is a sis longer, from the mailing date of this communication. Fail application to become abandoned. (35 U.S.C. § 133). Ext 37 CFR 1.136(a).	set to expire 3 month(s	
Disposition of Claims		
X Claim(s) 1-20	is/are p	pending in the application.
Of the above, claim(s)		
Claim(s)	is	dre allowed
☑ Claim(s) <u>1-20</u>	ie	are allowed.
Claim(s)	io/	are rejected.
☐ Claims	are subject to restriction	are objected to.
Application Papers	are subject to restrictio	on or election requirement.
☐ See the attached Notice of Draftsperson's Patent Drav	The Baltimore And	
☐ The drawing(s) filed on is/are ob		
☐ The proposed drawing correction, filed on		
☐ The specification is objected to by the Examiner.	is Lapproved La	lisapproved.
☐ The oath or declaration is objected to by the Examiner.	-	
	•	
Priority under 35 U.S.C. § 119 Acknowledgement is made of a claim for foreign priori	"	
☐ Acknowledgement is made of a claim for foreign priori	ity under 35 U.S.C. 3 119(a)-(a).	•
☐ All ☐ Some* ☐ None of the CERTIFIED copies ☐ received.	s of the priority accuments have	been
☐ received. ☐ received in Application No. (Series Code/Serial N	dumber)	
received in this national stage application from t		In 17 9/611
*Certified copies not received:	no international barodo (i 5 i i.g.	E 17.2(d)).
☐ Acknowledgement is made of a claim for domestic price	ority under 35 U.S.C. § 119(e).	·
Attachment(s)	_	
☑ Notice of References Cited, PTO-892		
☐ Information Disclosure Statement(s), PTO-1449, Paper	No(s).	
☐ Interview Summary, PTO-413		
☐ Notice of Draftsperson's Patent Drawing Review, PTO-	948	
☐ Notice of Informal Patent Application, PTO-152		
SEE OFFICE ACTION ON	THE FOLLOWING PAGES	



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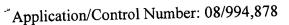
DETAILED ACTION

1. Claims 1-20 are pending. The previous grounds of rejection based on the Dolan and Krajewski patents are withdrawn in view of Applicant's arguments in the Amendment filed Jan. 07, 2000. However, newly discovered prior art has necessitated new grounds of rejection. The new grounds of rejection are presented below. The delay in citation of the newly discovered prior art is regretted.

Claim Rejections - 35 USC § 102

- 2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:
 - (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.
- 3. Claims 1-4 are rejected under 35 U.S.C. 102(e) as being anticipated by Aziz (US 5,732,137).

In claim 1, Aziz discloses receiving via the network a user's ID and reading from a storage data corresponding to the user having the received ID, which data comprises the user's private key encrypted encrypted using a key determined from identifying information of the user in (col.2, lines 26-46, col.1, lines 40-51). Sending via the network the encrypted private key, where the



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encrypted private key can be received and decrypted at the location of the user using the user's identifying information is disclosed by Aziz in (col.6, lines 35-43).

Claim 5 differs from claim 1 in that private key is destroyed at the location of the user.

Aziz discloses this feature in (col.7, lines 10-15).

In claim 6, Aziz discloses entering a passphrase entered by the user at the user equipment in (col.2,lines 29-32).

In claims 11,15, Aziz discloses storage storing respective IDs and encrypted keys for the respective users determined from user identifying information in (col.2, lines 29-46). Reading an encrypted key from the storage with an ID corresponding to a particular user and transmitting the encrypted key to the particular user is disclosed by Aziz in (col.6,19-43).

In claim 12, see claim rejection 6.

In claim 16, see claim rejection 1 and 11.

In claim 13, Aziz teaches public key cryptography in (col.1, lines 44-48).

In claim 19, see claim rejection 1 and 6.

Claim Rejections - 35 USC § 103

- 4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 5 Claims 7-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Aziz in view of Schneier.

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In claims 7-10, Aziz discloses all the claim limitations above. However, Aziz does not

discloses a computing a hash document and encrypting the hash using the user's private key.

Schneier discloses this feature in (page 38, section in Signing the documents with public key

cryptography and One Way Hash Functions, page 39, section in Algorithms and terminology). It

would have been obvious to a person of ordinary skill in the art modify the invention of Aziz to

include hash function in order to enhance and secure data security and message authentication.

One of ordinary skill in the art would be motivated to use hash function because integrity

mechanism implicitly provide data origin authentication and vice versa.

In claims 17-18 see claims rejection 7-10 above.

In claim 20, see claims rejection 1 and 6.

Conclusion

6. Any inquiry concerning this communication should be directed to Ho S. Song at telephone

number (703)305-0042. The examiner can normally be reached on Monday through Frinday from

7:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Gail Hayes, can be reached at (703)305-9711.

Any inquiry of a general nature or relating to the status of this application or preceeding

should be directed to the group receptionist, whose telephone number is (703)305-3800.

Ho Song

GAIL O. HAYES

SUPERVISORY PATENT EXAMINER

Harl Hays

GROUP 2700